

## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| L1    | 2    | "4285918".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/07/03 17:59 |
| L2    | 4    | "3372987".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/07/03 17:59 |
| S1    | 62   | terry near3 todd.in. jack near3 law.in.<br>scott near3 herbst.in. valeriy near3<br>romanovskiy.in. igor near3 smirnov.in.<br>vasily near3 babain.in. vyatcheslav<br>near3 eesimantovski.in. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/06/29 12:42 |
| S2    | 3    | "602654".ap.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/06/29 12:41 |
| S3    | 62   | terry near3 todd.in. jack near3 law.in.<br>scott near3 herbst.in. valeriy near3<br>romanovskiy.in. igor near3 smirnov.in.<br>vasily near3 babain.in. vyatcheslav<br>near3 eesimantovski.in. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/06/29 12:43 |
| S4    | 12   | S3 and carbonate  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/06/29 12:43 |
| S5    | 20   | S3 and (carbonate strip\$4)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/06/29 14:48 |
| S6    | 32   | strip\$4 with (agent reagent) same<br>(\$5amine) with carbonate   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/06/29 15:18 |

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|     |         |   |   |    |     |                  |
|-----|---------|---|---|----|-----|------------------|
| S7  | 2086    | 423/6,8,3,2,21.5,54.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/29 15:20 |
| S8  | 1046848 | (guanidine methylamine<br>dimethylamine morpholine pyrrolidine<br>pyridine \$5amine)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/29 17:30 |
| S9  | 37158   | diethylenetriaminepentaacetic near3<br>acid dtpa nitrilotriacetic near3 acid nta<br>oxyethylidiphosphonic near3 acid<br>oedpa | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/29 15:29 |
| S10 | 2       | S7 and S8 with carbonate and S9   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/29 16:10 |
| S11 | 1825    | S8 with carbonate and S9  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/29 15:47 |
| S12 | 150     | S8 with carbonate same S9   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/29 15:48 |
| S13 | 63      | S12 and (strip\$3 complexant carbon<br>near3 dioxide recover\$3 recycle<br>regener\$5 organic near3 phase)                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/29 16:10 |
| S14 | 20      | S7 and S8 with carbonate  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/29 16:10 |

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|     |       |  |   |    |     |                  |
|-----|-------|--|---|----|-----|------------------|
| S15 | 52    | S7 and S8 same carbonate   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/29 16:11 |
| S16 | 210   | ("423"/\$.ccls. radionuclides) and S8 same strip\$4 same carbonate   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/29 16:27 |
| S17 | 95    | ("423"/\$.ccls. radionuclides) and S8 with carbonate same strip\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/29 16:29 |
| S18 | 70    | ("423"/\$.ccls. radionuclides) and S8 with carbonate same strip\$4 and organic   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/29 16:29 |
| S19 | 59    | ("423"/\$.ccls. radionuclides) and S8 with carbonate same strip\$4 and (organic near3 phase solvent)                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/29 17:02 |
| S20 | 2     | "6258333".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/29 17:02 |
| S21 | 11    | ("3243254"   "4396556"   "4548790"   "4749518"   "5510091"   "5603074"   "5666641"   "5666642"   "5698169").PN. OR ("6258333").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/06/29 17:03 |
| S22 | 4     | S21 and S8   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/06/29 17:23 |
| S23 | 12067 | S8 near3 carbonate   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/06/29 17:24 |
| S24 | 77    | S23 same stripping   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/06/29 17:24 |

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|     |        |  |  |    |     |                  |
|-----|--------|--|--|----|-----|------------------|
| S25 | 302841 | (methylamine dimethylamine morpholine pyrrolidine pyridine)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/06/29 17:31 |
| S27 | 2539   | S25 same (strip stripping)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/06/29 17:33 |
| S28 | 107    | S25 with carbonate same (strip stripping)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/06/29 17:34 |
| S29 | 102    | S25 with carbonate same (strip stripping) and (organic solvent extract\$3)                           | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/06/29 17:38 |
| S30 | 90     | S25 with carbonate same (strip stripping) and (organic solvent extract\$3) and (metal radionuclides) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2006/06/29 17:39 |
| S31 | 0      | S25 with carbonate same (strip stripping) and (organic solvent extract\$3) and (radionuclides)       | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2006/06/29 17:39 |
| S32 | 0      | S25 with carbonate same (strip stripping) and (organic solvent extract\$3) and (radionuclide)        | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2006/06/29 17:39 |
| S33 | 90     | S25 with carbonate same (strip stripping) and (organic solvent extract\$3) and metal                 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2006/06/29 17:40 |

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|     |       |   |  |    |    |                  |
|-----|-------|---|--|----|----|------------------|
| S34 | 31343 | S25 with carbonate same (strip stripping) and (organic solvent extract\$3) and metal uranium            | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/29 17:40 |
| S35 | 90    | S25 with carbonate same (strip stripping) and (organic solvent extract\$3) and (metal uranium)          | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/01 10:14 |
| S36 | 0     | (diphenyl dibutylcarbamoyl) and phosphine and phenyltrifluoromethylsulfone and morpholine and carbonate | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/01 10:16 |
| S37 | 0     | (diphenyl dibutylcarbamoyl) and phenyltrifluoromethylsulfone and morpholine and carbonate               | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/01 10:16 |
| S38 | 1191  | dodecane and methylamine  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/01 10:17 |
| S39 | 275   | dodecane and methylamine and \$9phosphine   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/01 10:20 |
| S40 | 0     | (diphenyl dibutylcarbamoyl phosphine) and phenyltrifluoromethylsulfone and methylamine                  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/01 10:21 |
| S41 | 0     | uranium with nitrate and tributyl near3 phosphate and dodecane and dimethylamine                        | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/01 10:29 |

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|     |     |   |  |    |    |                  |
|-----|-----|---|--|----|----|------------------|
| S42 | 174 | guanidine near3 carbonate same (carbon near3 dioxide "co.sub.2")                                    | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/01 10:32 |
| S43 | 0   | S42 and 423/228.ccls.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/01 10:32 |
| S44 | 15  | S42 and "423"/\$.ccls.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/01 10:38 |
| S45 | 36  | (generat\$3 form\$3 creat\$3) with guanidine near3 carbonate same (carbon near3 dioxide "co.sub.2") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/01 10:53 |
| S46 | 41  | "4906672"   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/01 10:53 |
| S47 | 2   | "4906672".pn.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/01 10:53 |
| S48 | 22  | guanidine near3 carbonate and bubbl\$3 with (carbon near3 dioxide "co.sub.2")                       | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/01 10:59 |
| S49 | 4   | making near5 guanidine near3 carbonate  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/01 11:00 |

## EAST Search History

|     |       |  |  |    |     |                  |
|-----|-------|--|--|----|-----|------------------|
| S50 | 1     | making near5 guanidine near3 carbonate and "co.sub.2"  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2006/07/01 11:00 |
| S51 | 0     | dicarbollide and polyethylene and (diphenyl dibutylcarbamoyl phosphine) and phenyltrifluoromethylsulfone and methylamine | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/07/03 13:50 |
| S52 | 0     | dicarbollide and polyethylene and (diphenyl dibutylcarbamoyl phosphine) and metanitrobenotri fluoride and methylamine    | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/07/03 13:51 |
| S53 | 1     | dicarbollide and nitrobenzene and pyrrolidine  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/07/03 14:02 |
| S54 | 769   | guanidine with carbonate and (carbon near3 dioxide "co.sub.2")   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/07/03 14:03 |
| S55 | 185   | guanidine with carbonate same (carbon near3 dioxide "co.sub.2")  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/07/03 15:44 |
| S56 | 64    | guanidine same distillation and azeotropic   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/07/03 15:45 |
| S57 | 39070 | guanidine same distillation same azeotropic  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/07/03 15:45 |

## EAST Search History

|     |         |  |  |    |     |                  |
|-----|---------|--|--|----|-----|------------------|
| S58 | 38      | guanidine same distillation same azeotropic                                    | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/07/03 15:46 |
| S59 | 35      | guanidine same distillation same azeotropic same water                         | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/07/03 15:47 |
| S60 | 26      | guanidine same distillation same azeotropic with water                         | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/07/03 15:54 |
| S61 | 34      | guanidine same distil\$7 same azeotropic with water                            | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/07/03 16:06 |
| S62 | 58      | guanidine same distil\$7 and azeotropic with water                             | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/07/03 15:57 |
| S63 | 24      | guanidine same distil\$7 and azeotropic with water not S61                     | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/07/03 16:01 |
| S64 | 1046845 | (guanidine methylamine dimethylamine morpholine pyrrolidine pyridine \$5amine) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/07/03 16:05 |
| S65 | 2835    | S64 same distil\$7 same azeotropic with water                                  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/07/03 16:13 |

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|     |        |   |   |    |     |                  |
|-----|--------|---|---|----|-----|------------------|
| S66 | 337211 | (guanidine methylamine<br>dimethylamine morpholine pyrrolidine<br>pyridine)                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/07/03 16:05 |
| S67 | 1051   | S66 same distil\$7 same azeotropic<br>with water  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/07/03 16:06 |
| S68 | 923    | S66 same distil\$7 near20 azeotropic<br>with water  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/07/03 16:07 |
| S69 | 142    | S66 with distil\$7 near20 azeotropic<br>with water  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/07/03 16:07 |
| S70 | 116    | S66 near20 distil\$7 near20 azeotropic<br>near20 water  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/07/03 16:10 |
| S71 | 4      | guanidine near20 distil\$7 near20<br>azeotropic near20 water                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/07/03 16:10 |
| S72 | 1473   | S64 same distil\$7 same azeotropic<br>with water and (stripping extract\$4)                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/07/03 16:14 |
| S73 | 17     | S64 same distil\$7 same azeotropic<br>with water and (stripping extract\$4)<br>and "423"/\$.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/07/03 16:50 |

## EAST Search History

|     |   |               |   |    |     |                  |
|-----|---|---------------|---|----|-----|------------------|
| S74 | 2 | "6258333".pn. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/07/03 17:55 |
|-----|---|---------------|---|----|-----|------------------|